CLAIMS

A sand screen for use in production of hydrocarbons from wells, comprising an intelligent completions device disposed in the sand screen. 2 The sand screen of claim 1, wherein the intelligent completions device comprises a 2. 1 sensor. The sand screen of claim 1, wherein the intelligent completions device comprises a 3. 12 temperature sensor. The state of the s The sand screen of claim 1, wherein the intelligent completions device comprises a 4. pressure sensor. The sand screen of claim 1, wherein the intelligent completions device comprises a flow 5. 1 rate measurement device. 2 6. The sand screen of claim 1, wherein the intelligent completions device comprises a 1

oil/water/gas ratio measurement device.

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The sand screen of claim 1, wherein the intelligent completions device comprises a scale detector.

- 1 8. The sand screen of claim 1, wherein the intelligent completions device comprises a sand detection device.
- 1 9. A gravel pack system, comprising:

 2 a sand screen; and

 3 an intelligent completions device disposed within the sand screen.
 - 10. The gravel pack system of claim 9, wherein the intelligent completions device comprises a sensor.
- The gravel pack system of claim 9, wherein the intelligent completions device comprises a temperature sensor.
- 1 12. The gravel pack system of claim 9, wherein the intelligent completions device comprises 2 a pressure sensor.
- 1 13. The gravel pack system of claim 9, wherein the intelligent completions device is selected from a flow rate measurement device, an oil/water/gas ratio measurement device, a scale detector, and a sand detection device.

The gravel pack system of claim 9, further comprising a fiber optic cable. 15. The gravel pack system of claim 9, further comprising a control line connected to the intelligent completions device. 2 The gravel pack system of claim 15, wherein the control line is selected from an electric 16. 1 line and a fiber optic line. 2 17. The gravel pack system of claim 9, further comprising a control line extending from the surface to the intelligent completions device. 1 18. A method for placing a gravel pack around a completion, comprising: gathering data from an intelligent completions device disposed in a sand screen of the completion; and flowing a gravel slurry into the assembly wherein a gravel is deposited between the sand 5 screen and a formation. 19. The method of claim 18, wherein the intelligent completions device is a sensor. 1 20. A method of monitoring a well characteristic of a well, comprising: 1 running a control line to an intelligent completions device disposed in a sand screen; 2 running the sand screen into the well; and 3

sending a signal through the control line.

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The method of claim 20, wherein the intelligent completions device is a sensor.

- 1 22. A well completion, comprising:
- a sand screen positioned adjacent the formation; and
- a fiber optic line at least a portion of which is attached to the sand screen.
 - 23. The well completion of claim 22, further comprising a gravel pack around the sand screen.

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A method for gravel packing a well, comprising:

running a sand screen into a particular length of the well; extending a fiber optic line into the particular length of the well; and gravel packing the well.

- The method of claim 24, further comprising performing the running step at substantially the same time as the extending step.
- The method of claim 24, further comprising performing the running step before the extending step.